

cheese, colby cheese, and granular cheese.

(c) The other optional ingredients referred to in paragraph (a) of this section are:

- (1) Nonfat dry milk.
- (2) Dried whey.

(3) An emulsifying agent consisting of one or any mixture of two or more of the emulsifying ingredients named in § 133.173(e)(1), in such quantity that the weight of the solids thereof is not more than 3 percent of the weight of the grated American cheese food.

(4) An acidifying agent consisting of one or more of the acid-reacting ingredients named in § 133.173(e)(2).

(5) Salt.

(6) Artificial coloring.

(d) The name of the food is “Grated American cheese food”. The full name of the food shall appear on the principal display panel of the label in type of uniform size, style, and color. Whenever any word or statement emphasizing the name of any ingredient appears on the label (other than in an ingredient statement as specified in paragraph (e) of this section) so conspicuously as to be easily seen under customary conditions of purchase, the full name of the food shall immediately and conspicuously precede or follow such word or statement in type of at least the same size as the type used in such word or statement.

(e) Each of the ingredients used in the food shall be declared on the label as required by the applicable sections of parts 101 and 130 of this chapter, except that cheddar cheese, washed curd cheese, colby cheese, granular cheese, or any mixture of two or more of these may be designated “American cheese”.

[42 FR 14366, Mar. 15, 1977, as amended at 49 FR 10094, Mar. 19, 1984; 58 FR 2893, Jan. 6, 1993]

§ 133.148 Hard grating cheeses.

(a) The cheeses for which definitions and standards of identity are prescribed by this section are hard grating cheeses for which specifically applicable definitions and standards of identity are not prescribed by other sections of this part. They are made from milk and the other ingredients specified in this section, by the procedure set forth in paragraph (b) of this section.

They contain not more than 34 percent of moisture, and their solids contain not less than 32 percent of milkfat, as determined by the methods prescribed in § 133.5 (a), (b), and (d). Hard grating cheeses are cured for not less than 6 months.

(b) Milk, which may be pasteurized or clarified or both, and which may be warmed, is subjected to the action of harmless lactic-acid-producing bacteria or other harmless flavor-producing bacteria, present in such milk or added thereto. Sufficient rennet, rennet paste, extract of rennet paste, or other safe and suitable milk-clotting enzyme that produces equivalent curd formation, singly or in any combination (with or without purified calcium chloride in a quantity not more than 0.02 percent, calculated as anhydrous calcium chloride, of the weight of the milk) is added to set the milk to a semisolid mass. Harmless artificial coloring may be added. The mass is cut into small particles, stirred, and heated. The curd is separated from the whey, drained, shaped into forms, pressed, salted, and cured. The rind may be colored or rubbed with vegetable oil or both. A harmless preparation of enzymes of animal or plant origin capable of aiding in the curing or development of flavor of hard grating cheese may be added during the procedure, in such quantity that the weight of the solids of such preparation is not more than 0.1 percent of the weight of the milk used.

(c) For the purposes of this section, the word “milk” means cow’s milk or goat’s milk or sheep’s milk or mixtures of two or all of these. Such milk may be adjusted by separating part of the fat therefrom or (in the case of cow’s milk) by adding one or more of the following: Cream, skim milk, concentrated skim milk, nonfat dry milk; (in the case of goat’s milk) the corresponding products from goat’s milk; (in the case of sheep’s milk) the corresponding products from sheep’s milk; water in a quantity sufficient to reconstitute any such concentrated or dried products used.

(d) Safe and suitable antimycotic agent(s), the cumulative levels of which shall not exceed current good

manufacturing practice, may be added to the surface of the cheese.

(e) The name of each hard grating cheese for which a definition and standard of identity is prescribed by this section is "Hard grating cheese", preceded or followed by:

(1) The specific common or usual name of such hard grating cheese, if any such name has become generally recognized therefor; or

(2) If no such specific common or usual name has become generally recognized therefor, an arbitrary or fanciful name that is not false or misleading in any particular.

(3) When milk other than cow's milk is used, in whole or in part, the statement "made from _____", the blank being filled in with the name or names of the milk used, in order of predominance by weight.

(f) *Label declaration.* Each of the ingredients used in the food shall be declared on the label as required by the applicable sections of parts 101 and 130 of this chapter, except that:

(1) When milk other than cow's milk is used, in whole or in part, the common or usual name of each such milk ingredient shall be declared in order of predominance by weight; and

(2) Enzymes of the animal, plant, or microbial origin may be declared as "enzymes".

[42 FR 14366, Mar. 15, 1977, as amended at 48 FR 49013, Oct. 24, 1983; 49 FR 10094, Mar. 19, 1984; 58 FR 2893, Jan. 6, 1993]

§ 133.149 Gruyere cheese.

(a) *Description.* (1) Gruyere cheese is the food prepared by the procedure set forth in paragraph (a)(3) of this section or by any other procedure which produces a finished cheese having the same physical and chemical properties. It contains small holes or eyes. It has a mild flavor, due in part to the growth of surface-curing agents. The minimum milkfat content is 45 percent by weight of the solids and the maximum moisture content is 39 percent by weight, as determined by the methods described in § 133.5. The dairy ingredients used may be pasteurized. The cheese is at least 90 days old.

(2) If pasteurized dairy ingredients are used, the phenol equivalent value of 0.25 gram of gruyere cheese is not

more than 3 micrograms as determined by the method described in § 133.5.

(3) One or more of the dairy ingredients specified in paragraph (b)(1) of this section may be warmed and is subjected to the action of lactic acid-producing and propionic acid-producing bacterial cultures. One or more of the clotting enzymes specified in paragraph (b)(2) of this section is added to set the dairy ingredients to a semisolid mass. The mass is cut into particles similar in size to wheat kernels. For about 30 minutes the particles are alternately stirred and allowed to settle. The temperature is raised to about 126 °F. Stirring is continued until the curd becomes firm. The curd is transferred to hoops or forms, and pressed until the desired shape and firmness are obtained. The cheese is surface-salted while held at a temperature of 48° to 54 °F for a few days. It is soaked for 1 day in a saturated salt solution. It is then held for 3 weeks in a salting cellar and wiped every 2 days with brine cloth to insure growth of biological curing agents on the rind. It is then removed to a heating room and held at progressively higher temperatures, finally reaching 65 °F with a relative humidity of 85 to 90 percent, for several weeks, during which time small holes, or so-called eyes, form. The cheese is then stored at a lower temperature for further curing. One or more of the other optional ingredients specified in paragraph (b)(3) of this section may be added during the procedure.

(b) *Optional ingredients.* The following safe and suitable ingredients may be used:

(1) *Dairy ingredients.* Milk, nonfat milk, or cream, as defined in § 133.3, used alone or in combination.

(2) *Clotting enzymes.* Rennet and/or other clotting enzymes of animal, plant, or microbial origin.

(3) *Other optional ingredients.* (i) Calcium chloride in an amount not more than 0.02 percent (calculated as anhydrous calcium chloride) of the weight of the dairy ingredients, used as a coagulation aid.

(ii) Enzymes of animal, plant, or microbial origin, used in curing or flavor development.